

L Number	Hits	Search Text	DB	Time stamp
1	3	dukor-rina-k-.in.	USPAT; US-PGPUB	2004/03/23 09:21
2	3	dukor-rina-\$.in.	USPAT; US-PGPUB	2004/03/23 09:21
3	0	dukor-rina-\$.in. not dukor-rina-k-.in.	USPAT; US-PGPUB	2004/03/23 09:21
4	2	marcott-curtis-a-.in.	USPAT; US-PGPUB	2004/03/23 09:22
5	2	marcott-curtis-\$.in.	USPAT; US-PGPUB	2004/03/23 09:22
6	0	marcott-curtis-\$.in. not marcott-curtis-a-.in.	USPAT; US-PGPUB	2004/03/23 09:22
7	256537	infrared or ir	USPAT; US-PGPUB	2004/03/23 09:22
8	322	((infrared or ir) same (extracellular or connective))	USPAT; US-PGPUB	2004/03/23 09:22
9	362948	spectroscopy or microspectroscopy or spectral or spectra or spectrum	USPAT; US-PGPUB	2004/03/23 09:23
10	63	((infrared or ir) same (extracellular or connective)) same (spectroscopy or microspectroscopy or spectral or spectra or spectrum)	USPAT; US-PGPUB	2004/03/23 09:23
11	232007	diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2	USPAT; US-PGPUB	2004/03/23 09:24
12	29	((infrared or ir) same (extracellular or connective)) same (spectroscopy or microspectroscopy or spectral or spectra or spectrum) same (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2)	USPAT; US-PGPUB	2004/03/23 09:31
13	1	5280788.pn.	USPAT; US-PGPUB	2004/03/23 09:32
14	0	5280788.pn. and extracellular	USPAT; US-PGPUB	2004/03/23 09:32
15	0	5280788.pn. and connective	USPAT; US-PGPUB	2004/03/23 09:45
16	1	((ir or infrared) and (extracellular or connective)).ti.	USPAT; US-PGPUB	2004/03/23 09:45
17	239	(infrared or ir) same extracellular	USPAT; US-PGPUB	2004/03/23 09:46
18	44	((infrared or ir) same extracellular) same (spectroscopy or microspectroscopy or spectral or spectra or spectrum)	USPAT; US-PGPUB	2004/03/23 09:46
19	22	((infrared or ir) same extracellular) same (spectroscopy or microspectroscopy or spectral or spectra or spectrum) same (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2)	USPAT; US-PGPUB	2004/03/23 09:46
20	0	((infrared or ir) same extracellular) same (spectroscopy or microspectroscopy or spectral or spectra or spectrum) same (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2)) not (((infrared or ir) same (extracellular or connective)) same (spectroscopy or microspectroscopy or spectral or spectra or spectrum)) same (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2))	USPAT; US-PGPUB	2004/03/23 09:47
21	224	((infrared or ir) same (extracellular or connective)) and (spectroscopy or microspectroscopy or spectral or spectra or spectrum)	USPAT; US-PGPUB	2004/03/23 09:47
22	184	((infrared or ir) same (extracellular or connective)) and (spectroscopy or microspectroscopy or spectral or spectra or spectrum) and (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2)	USPAT; US-PGPUB	2004/03/23 09:48

23	67	(((infrared or ir) same (extracellular or connective)) and (spectroscopy or microspectroscopy or spectral or spectra or spectrum)) and (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2)) and marker\$1	USPAT; US-PGPUB	2004/03/23 09:48
24	57	(((infrared or ir) same (extracellular or connective)) and (spectroscopy or microspectroscopy or spectral or spectra or spectrum)) and (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2)) and marker\$1) not (((infrared or ir) same (extracellular or connective)) same (spectroscopy or microspectroscopy or spectral or spectra or spectrum)) same (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2))	USPAT; US-PGPUB	2004/03/23 09:48
25	5	(((infrared or ir) same (extracellular or connective)) and (spectroscopy or microspectroscopy or spectral or spectra or spectrum)) and (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2)) and "1280"	USPAT; US-PGPUB	2004/03/23 09:51
26	5562	(ir or infrared).ti.	USPAT; US-PGPUB	2004/03/23 09:51
27	26	((ir or infrared).ti.) and extracellular	USPAT; US-PGPUB	2004/03/23 09:51
28	4	(((ir or infrared).ti.) and extracellular) and (connective adj tissue\$1)	USPAT; US-PGPUB	2004/03/23 09:54
29	22	(((ir or infrared).ti.) and extracellular) not (((ir or infrared).ti.) and extracellular) and (connective adj tissue\$1))	USPAT; US-PGPUB	2004/03/23 09:54
30	22	(((ir or infrared).ti.) and extracellular) not (((ir or infrared).ti.) and extracellular) and (connective adj tissue\$1)) not (((infrared or ir) same (extracellular or connective)) same (spectroscopy or microspectroscopy or spectral or spectra or spectrum)) same (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2))	USPAT; US-PGPUB	2004/03/23 09:59
31	76660	(infrared or ir) same (spectroscopy or microspectroscopy or spectral or spectra or spectrum)	USPAT; US-PGPUB	2004/03/23 09:59
32	2065	((infrared or ir) same (spectroscopy or microspectroscopy or spectral or spectra or spectrum)) and (extracellular or (connective adj tissue\$1))	USPAT; US-PGPUB	2004/03/23 09:59
33	1589	(((infrared or ir) same (spectroscopy or microspectroscopy or spectral or spectra or spectrum)) and (extracellular or (connective adj tissue\$1))) and (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2)	USPAT; US-PGPUB	2004/03/23 10:00
34	471	(((infrared or ir) same (spectroscopy or microspectroscopy or spectral or spectra or spectrum)) and (extracellular or (connective adj tissue\$1))) and (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2)) and breast	USPAT; US-PGPUB	2004/03/23 10:00
35	165	(((infrared or ir) same (spectroscopy or microspectroscopy or spectral or spectra or spectrum)) and (extracellular or (connective adj tissue\$1))) and (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2)) and breast) and marker\$1	USPAT; US-PGPUB	2004/03/23 10:00

36	10	(((((infrared or ir) same (spectroscopy or microspectroscopy or spectral or spectra or spectrum)) and (extracellular or (connective adj tissue\$1))) and (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2)) and breast) and marker\$1) and "1280"	USPAT; US-PGPUB	2004/03/23 10:02
37	332	wallenhorst-maureen-\$.xp.	USPAT; US-PGPUB	2004/03/23 10:02
38	165	wallenhorst-maureen-\$.xa.	USPAT; US-PGPUB	2004/03/23 10:02
39	497	wallenhorst-maureen-\$.xp. or wallenhorst-maureen-\$.xa.	USPAT; US-PGPUB	2004/03/23 10:03
40	61	(wallenhorst-maureen-\$.xp. or wallenhorst-maureen-\$.xa.) and (infrared or ir)	USPAT; US-PGPUB	2004/03/23 10:03
41	35	((wallenhorst-maureen-\$.xp. or wallenhorst-maureen-\$.xa.) and (infrared or ir)) and (diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2)	USPAT; US-PGPUB	2004/03/23 10:03

## WEST Search History





DATE: Tuesday, March 23, 2004

<b>Hide?</b>	<b>Set Name</b>	<b>Query</b>	<b>Hit Count</b>
	<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L16	L15 not l12	0
<input type="checkbox"/>	L15	l10 and connective	3
	<i>DB=PGPB; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L14	US-20020010400-A1.did.	1
<input type="checkbox"/>	L13	US-20020010400-A1.did.	1
	<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L12	l10 and (connective adj tissue\$1)	3
<input type="checkbox"/>	L11	L10 and extracellular	1
<input type="checkbox"/>	L10	l8 and l9	357
<input type="checkbox"/>	L9	diagnos\$3 or patholog\$4 or cancer or carcinoma or malignan\$2	217982
<input type="checkbox"/>	L8	l5 and l6	11225
<input type="checkbox"/>	L7	l5 and l6	0
<input type="checkbox"/>	L6	spectroscopy or microspectroscopy or spectral or spectra or spectrum	136818
<input type="checkbox"/>	L5	infrared or ir	138146
<input type="checkbox"/>	L4	L3 not l1	1
<input type="checkbox"/>	L3	marcott-c-\$.in.	3
	<i>DB=EPAB; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L2	WO-200246722-A2.did.	0
	<i>DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L1	dukor-r-\$.in.	3

END OF SEARCH HISTORY

d his

(FILE 'HOME' ENTERED AT 07:32:26 ON 23 MAR 2004)

FILE 'CAPLUS, CAOLD, MEDLINE, BIOSIS' ENTERED AT 07:32:43 ON 23 MAR 2004

E DUKOR RINA K/AU

L1 95 S E1-E3  
L2 57 S L1 AND (INFRARED OR IR)  
L3 6 S L2 AND (PATHOLOG? OR CANCER OR CARCINOMA OR MALIGNAN?)  
L4 4 DUP REMOV L3 (2 DUPLICATES REMOVED)  
L5 1 S L2 AND (EXTRACELLULAR OR CONNECTIVE)  
L6 0 S L5 NOT L4  
L7 33 S L2 AND (SPECTROSCOPY OR MICROSCPECTROSCOPY)  
L8 2 S L7 AND DIAGNOS?  
L9 2 DUP REMOV L8 (0 DUPLICATES REMOVED)  
L10 1 S L9 NOT L4  
E MARCOTT CURTIS A/AU  
L11 62 S E2-E4  
L12 51 S L11 AND (INFRARED OR IR)  
L13 1 S L12 AND (EXTRACELLULAR OR CONNECTIVE)  
L14 1 S L12 AND (PATHOLOG? OR CANCER OR CARCINOMA OR MALIGNAN?)  
L15 34 S L12 AND (SPECTROSCOPY OR MICROSCPECTROSCOPY)  
L16 1 S L15 AND DIAGNOS?  
L17 818784 S (INFRARED OR IR)  
L18 803364 S SPECTROSCOPY OR MICROSCPECTROSCOPY  
L19 163906 S L17 AND L18  
L20 6464285 S (DIAGNOS? OR PATHOLOG? OR CANCER OR CARCINOMA OR MALIGNAN?)  
L21 4123 S L19 AND L20  
L22 590996 S EXTRACELLULAR OR CONNECTIVE  
L23 63 S L21 AND L22  
L24 53 DUP REMOV L23 (10 DUPLICATES REMOVED)  
L25 33128 S L17 AND L20  
L26 615 S L25 AND L22  
L27 3 S L26 AND (SPECTRAL MARKER?)  
L28 2 DUP REMOV L27 (1 DUPLICATE REMOVED)  
L29 29 S L26 AND BREAST  
L30 21 DUP REMOV L29 (8 DUPLICATES REMOVED)  
L31 17 S L30 NOT L24  
L32 378950 S L17 AND (SPECTRAL OR SPECTRUM OR SPECTRA)  
L33 4420 S L32 AND L20  
L34 49 S L33 AND L22  
L35 40 DUP REMOV L34 (9 DUPLICATES REMOVED)  
L36 17 S L35 NOT L24  
L37 15 S L36 NOT L31  
L38 35 S L21 AND EXTRACELLULAR  
L39 28 DUP REMOV L38 (7 DUPLICATES REMOVED)  
L40 0 S L39 NOT L24

ANSWER 42 OF 53 MEDLINE on STN

DUPLICATE 7

AN 95127755 MEDLINE

DN PubMed ID: 7827129

TI Beware of **connective** tissue proteins: assignment and implications of collagen absorptions in **infrared** spectra of human tissues.

AU Jackson M; Choo L P; Watson P H; Halliday W C; Mantsch H H

CS Institute for Biodiagnostics, National Research Council Canada, Winnipeg, Manitoba.

SO Biochimica et biophysica acta, (1995 Jan 25) 1270 (1) 1-6.

Journal code: 0217513. ISSN: 0006-3002.

CY Netherlands

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199502

ED Entered STN: 19950307

Last Updated on STN: 19950307

Entered Medline: 19950221

AB **Infrared** spectra of human central nervous system tissue and human breast **carcinoma** are presented. The spectra are discussed in terms of the composition of the tissues. It is shown that differences between spectra of white and grey matter can be rationalised on the basis of differences in lipid content. Spectra of the choroid plexus and arachnoid villus of the meninges show a series of absorptions not observed in other CNS tissue. These absorptions are discussed in terms of the **connective** tissue content of the samples. We demonstrate that the presence of collagen results in the appearance of a series of characteristic absorptions which may be mis-assigned as DNA phosphate absorptions. The implications of the presence of collagen in tissues for the **diagnosis** of disease states by **IR** spectroscopic methods, with particular reference to **cancer**, is discussed.

ANSWER 38 OF 53 MEDLINE on STN

AN 96186884 MEDLINE

DN PubMed ID: 8608173

TI Modification of the **extracellular** matrix following myocardial infarction monitored by FTIR **spectroscopy**.

AU Lui K; Jackson M; Sowa M G; Ju H; Dixon I M; Mantsch H H

CS Institute for Biodiagnostics, National Research Council Canada, Winnipeg, Manitoba.

SO Biochimica et biophysica acta, (1996 Mar 1) 1315 (2) 73-7.

Journal code: 0217513. ISSN: 0006-3002.

CY Netherlands

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199605

ED Entered STN: 19960605

Last Updated on STN: 19960605

Entered Medline: 19960530

AB Comparison of mid- and near-**infrared** spectra of control and infarcted rat ventricular tissue reveals the presence of absorptions in infarcted tissue which are highly characteristics of collagen, indicating large scale deposition of type I collagen in the myocardium following infarction. These results demonstrate that **IR spectroscopy** may be used to rapidly monitor the modifications of the **extracellular** matrix associated with myocardial infarction.